Claims

What is claimed:

1.   A media platform configuration, comprising:

a tester, wherein the tester includes:

a tester telecom media card (TMC) with media channels having a first rate and format; and

a telecom signaling card (TSC) to set up and tear down connections with a media channel in the tester TMC;

a multiplexer having a first side coupled to the tester TMC and a second side coupled to a media platform TMC with media channels having a second rate and format; and

a program executable on the tester to test the media platform TMC.

2.   The configuration of claim 1, wherein the program includes control scripts and validation scripts as part of a test routine, wherein the program can generate dual tone multiple frequency (DTMF) tones and play media files to the media platform TMC through the multiplexer using the control scripts, and wherein the program can retrieve DTMF tones and recorded media files on the tester TMC through the multiplexer using the validation scripts.

3.   The configuration of claim 2, wherein the program is also loaded on the media platform, wherein the program can generate dual tone multiple frequency (DTMF) tones and play media files to the tester TMC using the control scripts, and wherein the program can retrieve DTMF tones and retrieve recorded media files on the media platform TMC using the validation scripts.

4.   The configuration of claim 1, wherein the tester has a UNIX based operating system, the media platform has a non-UNIX based operating system, and wherein the tester TMC has a different media channel capacity than the media platform TMC.

5. The configuration of claim 4, wherein the tester TMC includes a DS3 type TMC.

6. The configuration of claim 5, wherein the media platform TMC includes a T1 type TMC.

7. The configuration of claim 5, wherein the media platform TMC includes a E1 type TMC.

8. The configuration of claim 5, wherein the media platform TMC includes a J1 type TMC.

9. The configuration of claim 1, wherein the configuration is part of a testing system, including:

at least two testers; and

wherein the at least two testers are coupled to two or more media platforms through two or more of the multiplexer.

10. The testing system of claim 9, wherein the media platforms are coupled via a local area network to an application server having text to speech (TTS) and automatic speech recognition (ASR) program modules.

11. The testing system of claim 9, wherein the media platforms and the testers are coupled via a local area network to a management workstation.

12. The testing system of claim 9, wherein the media platforms are cross connected to the testers.

13. A media platform testing system, comprising:

a UNIX operating system based tester, wherein the tester includes:

a first type of telecom media card (TMC); and

a telecom signaling card (TSC) to set up and tear down connections with a media channel in the first type of TMC;

a non-UNIX operating system based media platform, wherein the media platform includes:

a second type of TMC; and

a TSC to set up and tear down connections with a media channel in the second type of TMC; and

a multiplexer to multiplex and demuliplex signals between the first type of TMC and the second type of TMC.

14. The tester of claim 13, wherein the first type of TMC includes media channels having a DS3 data rate and framing.

15. The tester of claim 13, wherein the second type of TMC includes media channels having a T1 data rate and framing.

16. The tester of claim 13, wherein the non-UNIX operating system based media platform includes at least seven T1 type TMCs, each T1 type TMC having 96 media channels, the tester has a DS3 type TMC having 672 media channels, and wherein each DS3 type media channel is associated with one of the T1 type media channels.

17. The tester of claim 13, wherein the non-UNIX operating system based media platform includes a Linux based media platform.

18. A media platform testing system, comprising:

a tester, wherein the tester includes:

a first type telecom media card (TMC) with media channels having a first rate and format; and

a telecom signaling card (TSC) to set up and tear down connections with a media channel in the tester TMC;

a media platform, wherein the media platform includes:

a second type TMC with media channels having a second rate and format;

a telecom signaling card (TSC) to set up and tear down connections with a media channel in the media platform TMC; and

means for executing a test routine on the tester to test media channels on the second type TMC.

19. The tester of claim 18, wherein the first type TMC includes a DS3 type TMC and the second type TMC includes a T1 type TMC.

20. The tester of claim 19, wherein the means includes a multiplexer to multiplex and demuliplex media data traffic between media channels for the DS3 type TMC and media channels for the T1 type TMC.

21. The tester of claim 20, wherein the means includes a program having control scripts and validation scripts for a test routine executable on the tester, wherein the program can generate dual tone multiple frequency (DTMF) tones and play media files to the media platform through the multiplexer using the control scripts, and wherein the program can retrieve DTMF tones and recorded media files on the tester through the multiplexer using the validation scripts.

22. The tester of claim 21, wherein the media platform has an operating system different from the operating system of the tester, and wherein program is loaded from a computer readable medium to the media platform such that the media platform can respond to the DTMF tones and media files, including:
    retrieving DTMF tones from the tester;
    generating reply DTMF tones to the tester;
    receiving media files from the tester and recording the received memory files to an appropriate memory location;
    retrieving recorded media files; and
    replaying media files back to the tester.

23. A method for testing a media platform, comprising:
    providing executable instructions for control scripts and validation scripts to a tester having a UNIX based operating system;

providing executable instructions for control scripts and validation scripts to a media platform having a non-UNIX based operating system; and

executing a media platform test routine between the tester and the media platform based on the control scripts and the validation scripts.

24. The method of claim 23, wherein the method includes loading the same control scripts and validation scripts from a computer readable medium to both the tester and the media platform.

25. The method of claim 23, wherein executing the test routine includes driving call signals from media channels of the tester to media channels of the media platform.

26. The method of claim 25, wherein executing the test routine includes retrieving reply signals from media channels of the media platform on media channels of the tester.

27. The method of claim 23, further including multiplexing media channels of one type on the tester to media channels of a different type on the media platform.

28. A method for testing a media platform, comprising:

multiplexing media channels of a tester having a DS3 type media card to media channels of a media platform having a media card of a different type; and

performing a media platform test routine between the tester and the media platform by executing control scripts and validation scripts on the tester and the media platform.

29. The method of claim 28, wherein performing the test routine includes playing a media file from the tester to the media platform and recording the media file on the media platform.

30. The method of claim 28, wherein performing the test routine includes playing a recorded file from the media platform to the tester and comparing the media file received by the tester to a correct copy of the media file.

31. The method of claim 28, wherein the media card type of the media platform is selected from the group of:
a T1 media card;
a E1 media card; and
a J1 media card.

32. The method of claim 28, wherein the tester includes a UNIX based operating system and the media platform includes a non-UNIX based media platform.

33. A computer readable medium having a program to cause a device to perform a method, comprising:
multiplexing a UNIX based tester to a Linux based media platform;
executing control scripts and validation scripts on the UNIX based tester and the Linux based media platform; and
performing a test routine between the UNIX based tester and the Linux media platform.

34. The medium of claim 33, further including multiplexing media channels of a DS3 media card on the UNIX based tester with media channels of a T1 media card on the Linux based media platform.